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[0011] The structure of a peripheral receiving station shown in FIG. 1 comprises a receiving antenna 21; a relay antenna 22; a control channel frequency converting part 23 that performs a relay control channel frequency conversion of a control channel received by the receiving antenna 21; audio channel frequency converting parts 24-1 to 24-n each of which has a frequency synthesizer function to perform a relay audio channel frequency conversion of an audio channel received by the receiving antenna 21; a base station monitoring/receiving part 25; a channel control part 26; and duplexing parts 27a and 27b.

DRAWINGS:

FIG. 1:

27b DUPLEXING PART

25 BASE STATION MONITORING/RECEIVING PART

23 CONTROL CHANNEL FREQUENCY CONVERTING PART

24-1 AUDIO CHANNEL FREQUENCY CONVERTING PART

24-2 AUDIO CHANNEL FREQUENCY CONVERTING PART

24-n AUDIO CHANNEL FREQUENCY CONVERTING PART

26 CHANNEL CONTROL PART

27a DUPLEXING PART